

smaller amount of a filler enables the production of a black paint.

The base comprises quantities of an emulsion binder, a filler, a cellulose paste and additives in water or a solvent.

Claimed System: The system for measuring the dye introduced for preparing colored paints comprises:

- (1) a monobase fluid comprising binder and filler in proportions depending on the quality of the finished paint;
- (2) a fluid component comprising titanium white;
- (3) several fluid components including a pigment or dye; and
- (4) a fluid component with pre-determined amounts of filler.

Title Terms: PREPARATION; PAINT; COMPOSITION; COMPRISE; MIX; PRE; DETERMINE ; AMOUNT; FLUID; PRODUCT; PREPARATION; PRODUCT

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Preparation of paint compositions comprises mixing of pre-determined amounts of fluid products to a prepared monobase product

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Patent Family:

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Abstract (Basic): EP 1094096 A1

NOVELTY - The system enables the production of paint mixtures using a prepared monobase with subsequent additions of dyes or pigments.

DETAILED DESCRIPTION - The preparation of paint compositions by mixing pre-determined amounts of fluid products, involves:

(a) preparation of a mono-base fluid component comprising amounts of a binder product and a pre-determined amount of filler;

(b) addition to the monobase fluid, during the preparation of the final product and conforming to a pre-determined formulation, of pre-determined amounts of a fluid chosen from a component comprising titanium white (TiO_2), or a filler element.

INDEPENDENT CLAIMS are also included for:

(1) the system for measuring dye additions; and

(2) the use of the monobase component to produce paint compositions.

USE - The invention involves the initial preparation of a single fluid product(the monobase) ready for use in the formulation of paints of any colour by adding selectively and optimally titanium white, a pigment and a filler.

ADVANTAGE - The system enables the reduction of quantities of products in stock, so that it is necessary to keep only quantities of dyes , titanium white and fillers. Is is possible to optimize the quantity of dyes necessary to obtain each colour whilst at the same time optimizing the covering power of the finished paint. Also, the automation of the system may be effected which dispenses with the need for specialized personnel.

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Technology Focus:

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Process: The process also includes a phase whereby quantities of a pigment or dye are added to the base fluid.

Phases (b) and (c) are usually effected simultaneously.

The amounts of the proportionally predetermined components, binder and filler, depend on the desired final quality of the paint product.

Other additives may be included such as anti-moisture, anti-fermenting, drying agents etc.

A fluid base component without titanium white but containing a